

2014-2024

Airport Capital Improvement Plan

Presque Isle County Airport

County of Presque Isle

PZQ

Rogers City, MI

November 18, 2013

MICHIGAN STATE BLOCK GRANT PROGRAM
TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2014* to FY-2024

*ACIP includes current development year (2012 already programmed - minor changes acceptable)

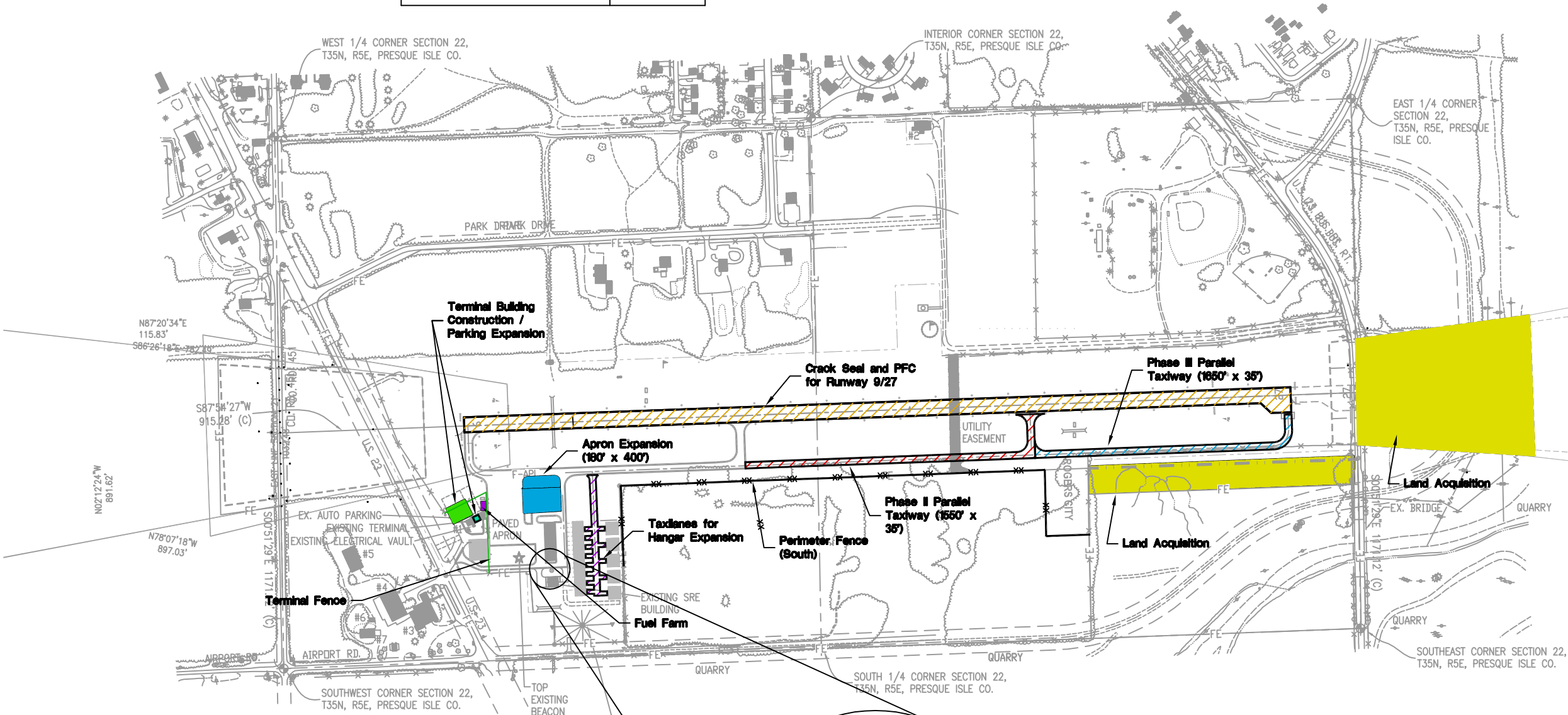
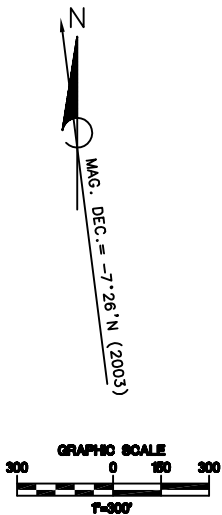
Airport Name: Presque Isle County Airport										Date prepared: 11-18-13	
Associated City: Rogers City, MI										Prepared By: Prein&Newhof	
Sponsor: County of Presque Isle										Sponsor email address & phone: rogerscityairport@frontier.com	
Airport Identifier: PZQ										FINAL ACIP due to MDOT AERO: no later than 12/1/13	
Development Year	Project Description	Shown on ALP? (Yes or No)	ACIP Code**	NPIAS Priority Rating**	Federal Entitlements	Federal Apportionment	Federal Discretionary	State	Local	Total	Remarks/Item Justification - Provide as much detail as possible.
2014	Available Entitlements				\$ 400,085	(\$150,000 NPE plus \$250,085 NPE carryover from prior years.)					
	Integrated Contingency Plan (ICP)	NA	PL-PL-MS	52	\$ 9,450	\$ -		\$ 525	\$ 525	\$ 10,500	An Integrated Contingency Plan is needed for the airport. Fuel tanks were recently installed. Project will include development of a plan to address PIPP and SPCC regulations (SWPPP as necessary).
	Terminal Building Study	Yes	CA-TW-CO	56	\$ 6,750	\$ -		\$ 375	\$ 375	\$ 7,500	A study to determine eligible terminal spaces will be provided.
	Remark Pavements	Yes	RE-RW-IM	66	\$ 48,150	\$ -		\$ 2,675	\$ 2,675	\$ 53,500	Project includes remarking all existing airport pavement markings that have faded.
	Airfield Cracksealing		CA-TW-CO	56	\$ 13,500	\$ -		\$ 750	\$ 750	\$ 15,000	Project includes airfield cracksealing. Local let project due to relatively small amounts of cracksealing required.
	Carryover				\$ 322,235	2014 Total \$ 86,500					
2015	Available Entitlements				\$ 472,235						
	Land Acquisition	Yes	CA-TW-CO	56	\$ 81,000	\$ -		\$ 4,500	\$ 4,500	\$ 90,000	Land is needed to build the future parallel taxiway and control of the Runway 27 RPZ for compliance with FAA standards.
	Terminal Building and Auto Parking: Design	Yes	CA-TE-CO	43	\$ 36,000	\$ -		\$ 2,000	\$ 2,000	\$ 40,000	Design will be done for new terminal building. AWOS communications will be moved as part of the project. Existing building used as a terminal was an old building moved by the County to the airport in 1982. This building provides limited service to the current needs of the airport or pilots. The proposed project will develop a new 30' x 40' building to allow better service to pilots and increase use of the airport. Parking will be added to facilitate public use of airport facilities.
	Perimeter Fence (Terminal): Design	Yes	ST-EQ-SE	38	\$ 7,470	\$ -		\$ 415	\$ 415	\$ 8,300	Design will be coordinated to reconstruct perimeter fencing and gates in the area of the new terminal building. Fence is needed to improve access control in the terminal area and will prevent unwanted vehicle and pedestrian access to the airport. Fence will include 1 vehicle gate and 2 pedestrian gates.
					\$ -	\$ -				\$ -	
	Carryover				\$ 347,765	2015 Total \$ 138,300					
2016	Available Entitlements				\$ 497,765						
	Terminal Building and Auto Parking: Construction	Yes	CA-TE-CO	43	\$ 282,600	\$ -		\$ 15,700	\$ 15,700	\$ 314,000	Existing building used as a terminal was an old building moved by the County to the airport in 1982. This building provides limited service to the current needs of the airport or pilots. The proposed project will develop a new 30' x 40' building to allow better service to pilots and increase use of the airport. Parking will be added to facilitate public use of airport facilities.
	Perimeter Fence (Terminal): Construction	Yes	ST-EQ-SE	38	\$ 25,650	\$ -		\$ 1,425	\$ 1,425	\$ 28,500	Fence is needed to improve access control in the terminal area and will prevent unwanted vehicle and pedestrian access to the airport. Fence will include 1 vehicle gate and 2 pedestrian gates.
	Carryover				\$ 189,515	2016 Total \$ 342,500					
2017	Available Entitlements				\$ 339,515						
	Design: Phase II Parallel Taxiway (1550' x 35')	Yes	CA-TW-CO	56	\$ 36,000	\$ -		\$ 2,000	\$ 2,000	\$ 40,000	Partial parallel taxiway will help get aircraft off the runway sooner. This will help reduce the chance of a collision when aircraft are both landing and back taxiing.
					\$ -	\$ -				\$ -	
2018	Carryover				\$ 303,515	Total \$ 40,000					
	Available Entitlements				\$ 453,515						
	Construct: Phase II Parallel Taxiway (1550' x 35')	Yes	CA-TW-CO	56	\$ 335,700	\$ -		\$ 18,650	\$ 18,650	\$ 373,000	Partial parallel taxiway will help get aircraft off the runway sooner. This will help reduce the chance of a collision when aircraft are both landing and back taxiing.
2019					\$ -	\$ -				\$ -	
	Carryover				\$ 117,815	2018 Total \$ 373,000					
	Available Entitlements				\$ 267,815						
	Crack Seal, PFC, and Remark for Runway 9/27	Yes	RE-RW-IM	66	\$ 267,815	\$ 80,035		\$ 19,325	\$ 19,325	\$ 386,500	It is anticipated that preventive maintenance will be needed at this point for the runway. The PFC will efficiently extend the use of the pavement while providing increased friction for stopping. Preventive maintenance is forecast at this time (2003 Construction). Project includes remarking all airport pavements.
					\$ -	\$ -				\$ -	
2020					\$ -	\$ -				\$ -	
	Carryover				\$ 150,000	2019 Total \$ 386,500					
	Available Entitlements				\$ 150,000						
	Taxilanes for Hangar Expansion	Yes	CA-TW-CO	56	\$ 138,600	\$ -		\$ 7,700	\$ 7,700	\$ 154,000	Taxilanes are needed for a future hangar building. It is anticipated that all hangars will be full and additional capacity will be needed for based aircraft.
2021					\$ -	\$ -				\$ -	
					\$ -	\$ -				\$ -	
					\$ -	\$ -				\$ -	
	Carryover				\$ 161,400	Total \$ -					
2022	Available Entitlements				\$ 311,400						
	Phase III Parallel Taxiway (1650' x 35')	Yes	CA-TW-CO	56	\$ 311,400	\$ 38,700		\$ 19,450	\$ 19,450	\$ 389,000	Partial parallel taxiway will help get aircraft off the runway sooner. This will help reduce the chance of a collision when aircraft are both landing and back taxiing. Multiple years of NPE will be needed for this project.
					\$ -	\$ -				\$ -	
2023					\$ -						
	Available Entitlements				\$ 150,000						
	Apron Expansion (180' x 400')	Yes	CA-AP-CO	50	\$ 150,000	\$ 203,700		\$ 19,650	\$ 19,650	\$ 393,000	Additional aircraft parking is needed. It is anticipated that additional capacity will be needed for itinerant aircraft.
2024					\$ -	\$ -				\$ -	
	Available Entitlements				\$ 150,000						
	SRE Plow Truck	NA	ST-EQ-SN	44	\$ 150,000	\$ 34,500		\$ 10,250	\$ 10,250	\$ 205,000	A plow truck is needed to plow the runway. Tractor will clear areas, but will take a long time to clear the runway. Based on the snowfall in this area it is recommended to have two pieces of equipment.
					\$ -						

*Will be shown on 2012 ALP update **Project will be funded with only NPE. If additional funding is needed project will be delayed till the next year.

TAXIWAY INFORMATION	
TAXIWAY	A
WIDTH	35'
EDGE SAFETY MARGIN	7.5'
SHOULDER WIDTH	10'
SAFETY AREA WIDTH	79'
OBJECT FREE AREA	131'
CL TO FIXED OR MOVEABLE OBJECT	57.5'

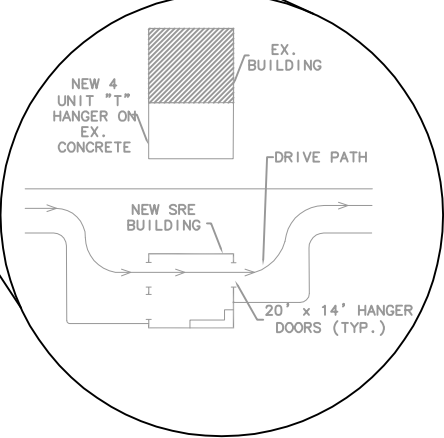
RUNWAY INFORMATION	
RUNWAY	9/27
SHOULDER WIDTH	10'
SAFETY AREA	150' x 300'
OBSTACLE FREE ZONE	250' x 200'
OBJECT FREE AREA	500' x 300'
BUILDING RESTRICTION LINE	495'
CL TO HOLD LINE	200'
CL TO TAXIWAY CL	250'
CL TO AIRCRAFT PARKING LINE	250'

BUILDING ELEVATION TABLE		
NO	DESCRIPTION	ELEVATION
1	ADMINISTRATION BUILDING	690.0
2	HANGAR BUILDING	678.8
3	ROAD COMMISSION BUILDING	716.7
4	ROAD COMMISSION BUILDING	705.8
5	ROAD COMMISSION BUILDING	713.6
6	ROAD COMMISSION BUILDING	695.8
7	ROAD COMMISSION BUILDING	718.0



DEVELOPMENT PLAN

1. Design Terminal Building
2. Terminal Building Construction
3. Terminal Parking Expansion (50' x 100')
4. Crack Seal and PFC for Runway 9/27
5. Fuel Farm
6. Perimeter Fence (South)
7. Land Acquisition
8. Phase II Parallel Taxiway (1550' x 35')
9. Taxilanes for Hangar Expansion
10. Phase III Parallel Taxiway (1650' x 35')
11. Apron Expansion (180' x 400')
12. SRE Plow Truck



PRESCQUE ISLE COUNTY AIRPORT

ALP UPDATE

5 YEAR PLAN

ROGERS CITY, MI

SITE NO.

71-2

DRAWING

1

Estimate of Probable Cost

Project Title:

Integrated Contingency Plan (ICP)

Owner:

Presque Isle County Airport

Development Year:

2014(1)

Date:

November 18, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1					\$0.00
2					\$0.00
3					\$0.00
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Construction Estimate: **\$0.00**

Fed. \$9,450.00

Design & CA Engineering: \$10,000.00

State \$525.00

Administration: \$500.00

Local \$525.00

Contingency: \$0.00

Total Estimate: \$10,500.00

Estimate of Probable Cost

Project Title:

Remark Pavements

Owner:

Presque Isle County Airport

Development Year:

2014(3)

Date:

November 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	Lump Sum	\$2,000.00	\$2,000.00
2	Safety & Security	1	Lump Sum	\$500.00	\$500.00
3	Remark Runway	38,000	Square Feet	\$0.75	\$28,500.00
4	Remark Taxiway and Apron	12000	Square Feet	\$0.75	\$9,000.00
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Construction Estimate:					\$40,000.00

Fed. \$48,150.00

State \$2,675.00

Local \$2,675.00

Design & CA Engineering: \$8,000.00

Administration: \$500.00

Contingency: \$5,000.00

Total Estimate: \$53,500.00

Estimate of Probable Cost

Project Title:

Airfield Cracksealing

Owner:

Presque Isle County Airport

Development Year:

2014(4)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1					
2	Cracksealing	1	Lump Sum	\$5,000.00	\$5,000.00
3	Mobilization	1	Lump Sum	\$1,500.00	\$1,500.00
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Construction Estimate:					\$6,500.00

Fed. \$13,500.00

State \$750.00

Local \$750.00

Engineering: \$7,500.00

Administration: \$500.00

Contingency: \$500.00

Total Estimate: \$15,000.00

Estimate of Probable Cost

Project Title:

Land Acquisition

Owner:

Presque Isle County Airport

Development Year:

2015(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Land Acquisition	16.5	Acres	\$3,000.00	\$49,500.00
2	Parcel Survey	1	LS	\$5,000.00	\$5,000.00
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Construction Estimate: **\$54,500.00**

Fed. \$81,000.00

State \$4,500.00

Local \$4,500.00

Consulting \$25,000.00

Administration: \$1,000.00

Contingency: \$9,500.00

Total Estimate: \$90,000.00

Estimate of Probable Cost

Project Title:

Terminal Building and Auto Parking: Construction

Owner:

Presque Isle County Airport

Development Year:

2016(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Building	1200	SFT	\$180.00	\$216,000.00
2	Unclassified Excavation	250	Cubic Yard	\$6.00	\$1,500.00
3	Aggregate Base Course	190	Cubic Yard	\$34.00	\$6,460.00
4	Bituminous Surface	200	Tons	\$120.00	\$24,000.00
5	Seeding & Mulching	0.5	Acres	\$2,000.00	\$1,000.00
6	Concrete Flatwork	1	LS	\$6,000.00	\$6,000.00
7	Signage	1	LS	\$4,000.00	\$4,000.00
8					
9					
10					
11					
12					
13					
14					
15					
Construction Estimate:					\$258,960.00

Fed. \$282,600.00

State \$15,700.00

Local \$15,700.00

Construction Engineering: \$30,000.00

Administration: \$1,000.00

Contingency: \$24,040.00

Total Estimate: \$314,000.00

Estimate of Probable Cost

Project Title:

Perimeter Fence (Terminal): Construction

Owner:

Presque Isle County Airport

Development Year:

2016(2)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	Lump Sum	\$4,000.00	\$4,000.00
2	Safety & Security	1	Lump Sum	\$1,000.00	\$1,000.00
3	4' Chain Link Fence	400	LFT	\$18.00	\$7,200.00
4	6' Chain Link Fence	250	LFT	\$20.00	\$5,000.00
5	12' Sliding Gate	1	Each	\$1,500.00	\$1,500.00
6	Pedestrian Gate	2	Each	\$500.00	\$1,000.00
7	Signage	1	Lump Sum	\$2,000.00	\$2,000.00
8					
9					
10					
11					
12					
13					
14					
15					
Construction Estimate:					\$21,700.00

Fed. \$25,650.00

State \$1,425.00

Local \$1,425.00

Engineering: \$5,000.00

Administration: \$500.00

Contingency: \$1,300.00

Total Estimate: \$28,500.00

Estimate of Probable Cost

Project Title:

Construct: Phase II Parallel Taxiway (1550' x 35')

Owner:

Presque Isle County Airport

Development Year:

2018(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	Lump Sum	\$15,000.00	\$15,000.00
2	Safety & Security	1	Lump Sum	\$3,000.00	\$3,000.00
3	Unclassified Excavation	13,000	Cubic Yard	\$4.50	\$58,500.00
4	Borrow	2,000	Cubic Yard	\$6.00	\$12,000.00
5	Drainage	1	Lump Sum	\$8,000.00	\$8,000.00
6	Aggregate Base Course 6"	1000	Cubic Yard	\$30.00	\$30,000.00
7	Bituminous Surface 3"	1000	Tons	\$85.00	\$85,000.00
8	Markings	4650	Square Feet	\$1.00	\$4,650.00
9	Seeding & Mulching	5	Acres	\$1,500.00	\$7,500.00
10	Reflectors	50	Each	\$100.00	\$5,000.00
11	10' Chain Link Fence	3050	LFT	\$22.00	\$67,100.00
12	Sliding Gate	2	Each	\$1,500.00	\$3,000.00
13					
14					
15					

Construction Estimate: **\$298,750.00**

Fed. \$335,700.00

State \$18,650.00

Local \$18,650.00

CA Engineering: \$40,000.00

Administration: \$3,500.00

Contingency: \$30,750.00

Total Estimate: \$373,000.00

Estimate of Probable Cost

Project Title:

Crack Seal, PFC, and Remark for Runway 9/27

Owner:

Presque Isle County Airport

Development Year:

2019(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	ump Su	\$20,000.00	\$20,000.00
2	Safety & Security	1	ump Su	\$4,000.00	\$4,000.00
3	Porous Friction Course	1,600	Tons	\$110.00	\$176,000.00
4	Remark Runway	38,000	quare Fe	\$0.70	\$26,600.00
5	Crack Seal Runway	15,000	LFT	\$4.00	\$60,000.00
6	Remark Taxiway and Apron	1	ump Su	\$6,000.00	\$6,000.00
7					
8					
9					
10					
11					
12					
13					
14					
15					
Construction Estimate:					\$292,600.00

Fed. \$347,850.00

State \$19,325.00

Local \$19,325.00

Engineering: \$60,000.00

Administration: \$3,500.00

Contingency: \$30,400.00

Total Estimate: \$386,500.00

Estimate of Probable Cost

Project Title:

Taxilanes for Hangar Expansion

Owner:

Presque Isle County Airport

Development Year:

2020(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	ump Su	\$13,000.00	\$13,000.00
2	Safety & Security	1	ump Su	\$2,000.00	\$2,000.00
3	Unclassified Excavation	2,500	ubic Ya	\$5.00	\$12,500.00
4	Drainage	1	ump Su	\$10,000.00	\$10,000.00
5	Granular Sub-Base12"	1,000	ubic Ya	\$15.00	\$15,000.00
6	Aggregate Base Course 6"	500	ubic Ya	\$32.00	\$16,000.00
7	Bituminous Surface 3"	500	Tons	\$90.00	\$45,000.00
8	Markings	1,000	quare Fe	\$1.00	\$1,000.00
9	Seeding & Mulching	1	Acres	\$1,500.00	\$1,500.00
10					
11					
12					
13					
14					
15					
Construction Estimate:					\$116,000.00

Fed. \$138,600.00

State \$7,700.00

Local \$7,700.00

Engineering: \$24,000.00

Administration: \$2,500.00

Contingency: \$11,500.00

Total Estimate: \$154,000.00

Estimate of Probable Cost

Project Title:

Phase III Parallel Taxiway (1650' x 35')

Owner:

Presque Isle County Airport

Development Year:

2022(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	ump Su	\$20,000.00	\$20,000.00
2	Safety & Security	1	ump Su	\$5,000.00	\$5,000.00
3	Unclassified Excavation	10,000	ubic Ya	\$5.00	\$50,000.00
4	Borrow	2,300	ubic Ya	\$12.00	\$27,600.00
5	Drainage	1	ump Su	\$25,000.00	\$25,000.00
6	Aggregate Base Course 6"	1,200	ubic Ya	\$32.00	\$38,400.00
7	Bituminous Surface 3"	1,200	Tons	\$90.00	\$108,000.00
8	Markings	4,950	quare Fe	\$1.00	\$4,950.00
9	Seeding & Mulching	5	Acres	\$1,500.00	\$7,500.00
10	Reflectors	50	Each	\$100.00	\$5,000.00
11					
12					
13					
14					
15					

Construction Estimate: **\$291,450.00**

Fed. \$350,100.00

State \$19,450.00

Local \$19,450.00

Engineering: \$65,000.00

Administration: \$3,000.00

Contingency: \$29,550.00

Total Estimate: \$389,000.00

Estimate of Probable Cost

Project Title:

Apron Expansion (180' x 400')

Owner:

Presque Isle County Airport

Development Year:

2023(1)

Date:

June 11, 2013

Project #:

ACIP 2014

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization	1	Lump Sum	\$20,000.00	\$20,000.00
2	Safety & Security	1	Lump Sum	\$4,000.00	\$4,000.00
3	Unclassified Excavation	7,200	Cubic Yard	\$5.00	\$36,000.00
4	Drainage	1	Lump Sum	\$30,000.00	\$30,000.00
5	Granular Sub-Base 12"	2,800	Cubic Yard	\$15.00	\$42,000.00
6	Aggregate Base Course 6"	1,200	Cubic Yard	\$30.00	\$36,000.00
7	Bituminous Surface 3"	1,300	Tons	\$90.00	\$117,000.00
8	Markings	1,000	Square Feet	\$1.00	\$1,000.00
9	Seeding & Mulching	1	Acres	\$1,500.00	\$1,500.00
10	Tie-Downs	15	Each	\$500.00	\$7,500.00
11					
12					
13					
14					
15					
Construction Estimate:					\$295,000.00

Fed. \$353,700.00

State \$19,650.00

Local \$19,650.00

Engineering: \$65,000.00

Administration: \$3,500.00

Contingency: \$29,500.00

Total Estimate: \$393,000.00